

ABSTRACT

The present invention provides an oxide-dispersion-strengthened platinum material in which dispersed particles made from a metallic oxide of an additive metal are dispersed in a matrix made from platinum or a platinum alloy, characterized in that the concentration of oxygen in the material except oxygen bound to the additive metal is 100 ppm or lower. The platinum material according to the present invention has preferably an average diameter of the dispersed particles of 0.2 μm or smaller, and an average interparticle distance of 0.01 to 2.7 μm . The platinum material also preferably has the concentration of the dispersed particles in an amount of 0.01 to 0.5 wt%, and an oxidation rate of the additive metal of 50 to 100%.